0590



OIPE

#3

RAW SEQUENCE LISTING DATE: 02/11/2002 PATENT APPLICATION: US/09/753,008 TIME: 09:36:38

Input Set : N:\Crf3\RULE60\09753008.txt
Output Set: N:\CRF3\02112002\1753008.raw

```
SEQUENCE LISTING
C-->
     3 (1) GENERAL INFORMATION:
C-->
             (i) APPLICANT: Stefan Somlo and Toshio Mochizuki
            (ii) TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE PKD2 GENE
      7
      8
                                      AND USES THEREOF
     10
           (iii) NUMBER OF SEQUENCES: 12
     12
            (iv) CORRESPONDENCE ADDRESS:
     13
                  (A) ADDRESSEE: AMSTER, ROTHSTEIN & EBENSTEIN
     14
                  (B) STREET: 90 PARK AVENUE
                                                              ENTERED
     15
                  (C) CITY: NEW YORK
                  (D) STATE: NEW YORK
     16
                  (E) COUNTRY: U.S.A.
     17
     18
                  (F) ZIP: 10016
     20
             (V) COMPUTER READABLE FORM:
     21
                  (A) MEDIUM TYPE: 3.5 INCH 1.44 Mb STORAGE
     22

    DISKETTE

     23
                  (B) COMPUTER: IBM PC COMPATIBLE
     24
                  (C) OPERATING SYSTEM: MS-DOS
     25
                  (D) SOFTWARE: ASCII
     27
            (vi) CURRENT APPLICATION DATA:
C--> 28
                  (A) APPLICATION NUMBER: US/09/753,008
                  (B) FILING DATE: 02-Jan-2001
C--> 29
     35
           (vii) PRIOR APPLICATION DATA:
     32
                  (A) APPLICATION NUMBER: 09/385,752
                  (B) FILING DATE: 1999-08-30
     33
                  (A) APPLICATION NUMBER: 08/651,999
     36
     37
                  (B) FILING DATE: MAY 23, 1996
     39
          (viii) ATTORNEY/AGENT INFORMATION:
     40
                  (A) NAME: ELIZABETH A. BOGOSIAN
                  (B) REGISTRATION NUMBER: 39,911
     41
     42
                  (C) REFERENCE/DOCKET NUMBER: 96700/395
            (ix) TELECOMMUNICATION INFORMATION:
     44
     45
                  (A) TELEPHONE: (212) 697-5995
     46
                  (B) TELEFAX: (212) 286-0854 or 286-0082
                  (C) TELEX: TWX 710-581-4766
     47
        (2) INFORMATION FOR SEQ ID NO: 1
     52
             (i) SEQUENCE CHARACTERISTICS:
     53
                  (A) LENGTH: 866 amino acids
     54
                  (B) TYPE: amino acid
     55
                  (C) STRANDEDNESS: single
     56
                  (D) TOPOLOGY: linear
W--> 58
            (ii) MOLECULE TYPE:
```

(A) DESCRIPTION: peptide

59

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61	(iii)	HYPOT	HET1	CAL	: NO						
63	(V)	FRAGM	ENT	TYPE	E: ir	nterr	nal f	ragn	nent		
65	(xi)	SEQUE	NCE	DESC	CRIPT	ON:	: SEÇ	OID	NO:	1	
67		Met	Val	Asn	Ser	Ser	Arg	Val	Gln	Pro	Gln
68		1				5					10
7.0		Gln	Pro	Gly	Asp	Ala	Lys	Arg	Pro	Pro	Ala
71						15					20
73		Pro	Arg	Ala	Pro	Asp	Pro	Gly	Arg	Leu	
74						25					30
76		Ala	Gly	Cys	Ala		Val	Gly	Ala	Ser	
77				_		35	_	_			40
79		Ala	Ala	Pro	GLY	_	Leu	Cys	Glu	GIn	
80						45		-1	_	~ 1	50
82		Gly	Leu	GIU	TTE		мет	GIn	Arg	iie	
83		Cl m	3 l a	7 l a	21-	55	N a m	Dro	Dro	7 J -	60
85 86		Gln	Ald	Ald	Ald	65	ASP	PIO	PIO	Ald	70
88	-	Ala	7 I 7	- 1 ג	Cor		cor	Dro	Dro	T 011	
89		ALG	АІА	міа	261	75	261	PIO	PIO	Lеu	80
91		Ser	Cve	Ser	Δrσ		Δla	Ψrn	Ser	Δτσ	
92		501	Cys	JCI	nra	85	niu	115	JCI	9	90
94		Asn	Pro	Glv	Glu		Glu	Ala	Glu	Glu	
95				011	014	95	014		014		100
97		Glu	Glu	Glu	Val		Glv	Glu	Glu	Glv	
98						105	1			2	110
100			_								
		Met	Val	. Va]	. Glu	ı Met	Asp	val	. Glu	Trp	Arq
101		Met	Val	. Va]	Glu	Met 115	-	Val	. Glu	Trp	Arg 120
101 104						115	-			_	120
						115	5 J Ser			_	120
104		Pro	Gly	y Sei	. Arg	115 Arg 125	5 J Ser	Ala	a Ala	Ser	120 Ser 130
104 105		Pro	Gly	y Sei	. Arg	115 Arg 125	5 g Ser 5 L Gly	Ala	a Ala	Ser	120 Ser 130
104 105 107		Pro Ala	Gly Val	Sei Sei	Arg	115 Arg 125 Val 135	Ser Ser Gly His	Ala	a Ala a Arg	Ser Ser	120 Ser 130 Arg 140 His
104 105 107 108		Pro Ala Gly	Gly Val	y Sei . Sei i Gly	Arg Ser Gly	115 Arg 125 Val 135 Tyr 145	Ser Ser Gly His	Ala Ala Gly	a Ala a Arg ⁄Ala	Ser Ser Gly	120 Ser 130 Arg 140 His 150
104 105 107 108 110 111		Pro Ala Gly	Gly Val	y Sei . Sei i Gly	Arg Ser Gly	115 125 Val 135 V Tyr 145	Ser Ser Gly His Arg	Ala Ala Gly	a Ala a Arg ⁄Ala	Ser Ser Gly	120 Ser 130 Arg 140 His 150
104 105 107 108 110 111 113		Pro Ala Gly Pro	Gly Val Leu Ser	Ser Ser Gly	r Arg	115 J Arg 125 V Val 135 V Tyr 145 J Arg	Ser Ser Gly His Arg	Ala Ala Gly	a Ala Arg Ala Arg	Ser Ser Gly	120 Ser 130 Arg 140 His 150 Asp 160
104 105 107 108 110 111 113 114 116		Pro Ala Gly Pro	Gly Val Leu Ser	Ser Ser Gly	r Arg	115 J Arg 125 Val 135 J Tyr 145 J Arg 155 O Cys	Ser Ser Ser Ser His Ser His Ser Pros	Ala Ala Gly	a Ala Arg Ala Arg	Ser Ser Gly	120 Ser 130 Arg 140 His 150 Asp 160 Gly
104 105 107 108 110 111 113 114 116 117		Pro Ala Gly Pro Gln	Gly Val Leu Ser	Ser Ser Gly Gly	Ser Gly Arg	115 Arg 125 Val 135 Tyr 145 Arg 155 Cys 165	Sery Sery Sery Sery His	Ala Ala Gly Arg	a Ala Arg Ala Arg Pro	Ser Ser Gly Glu	120 Ser 130 Arg 140 His 150 Asp 160 Gly 170
104 105 107 108 110 111 113 114 116 117		Pro Ala Gly Pro Gln	Gly Val Leu Ser	Ser Ser Gly Gly	Ser Gly Arg	115 Arg 125 Val 135 Tyr 145 J Arg 155 O Cys	Ser J Ser J Gly T His D Arg D Arg	Ala Ala Gly Arg	a Ala Arg Ala Arg Pro	Ser Ser Gly Glu	120 Ser 130 Arg 140 His 150 Asp 160 Gly 170
104 105 107 108 110 111 113 114 116 117 119		Pro Ala Gly Pro Gln Gly	Gly Val Leu Ser Gly Gly	Ser Ser Gly Gly Pro	Gly Argo Pro	115 Arg 125 Val 135 V Tyr 145 J Arg 155 O Cys 165 D Let	J Ser J Ser J Gly J His J Arg J Arg J His	Ala Ala Gly Arg Ser Arg	A Ala Arg Ala Arg Pro	Ser Ser Gly Glu Val	120 Ser 130 Arg 140 His 150 Asp 160 Gly 170 Pro
104 105 107 108 110 111 113 114 116 117 119 120		Pro Ala Gly Pro Gln Gly	Gly Val Leu Ser Gly Gly	Ser Ser Gly Gly Pro	Gly Argo Pro	115 125 125 Val 135 145 155 165 165 Leu 175 175	J Ser J Ser J Gly J Arg J Arg J Arg J Arg J Pro	Ala Ala Gly Arg Ser Arg	A Ala Arg Ala Arg Pro	Ser Ser Gly Glu Val	120 Ser 130 Arg 140 His 150 Asp 160 Gly 170 Pro 180
104 105 107 108 110 111 113 114 116 117 119 120 122 123		Pro Ala Gly Pro Gln Gly Leu	Gly Val Leu Ser Gly Gly	Ser Ser Gly Pro Asp	Gly Argo Pro	115 125 125 Val 135 145 155 165 165 Leu 175 185	J Ser J Ser J Gly J Arg J Arg J Arg J Pro	Ala Ala Gly Arg Ser Arg	A Ala Arg Ala Arg Pro His Val	Ser Ser Gly Glu Val Leu	120 Ser 130 Arg 140 His 150 Asp 160 Gly 170 180 Trp 190
104 105 107 108 110 111 113 114 116 117 119 120 122 123 125		Pro Ala Gly Pro Gln Gly Leu	Gly Val Leu Ser Gly Gly	Ser Ser Gly Pro Asp	Gly Argo Pro	115 125 Val 135 145 145 165 165 175 165 175 175 185 185 185 185 185 185 185 18	J Ser J Ser J Gly J Arg J Arg J Arg J Arg	Ala Ala Gly Arg Ser Arg	A Ala Arg Ala Arg Pro His Val	Ser Ser Gly Glu Val Leu	120 Ser 130 Arg 140 His 150 Asp 160 Gly 170 180 Trp 190 Gly
104 105 107 108 110 111 113 114 116 117 119 120 122 123 125 126		Pro Ala Gly Pro Gln Gly Leu	Gly Val  Leu Ser Gly Gly Glu Glu	Ser Ser Gly Pro Asr Gly	Ser Gly Argo Pro Pro Glr	115 125 Val 135 Val 145 165 165 175 165 175 175 185 185 185 185 185 185 185 18	J Ser J Ser J Gly J Arg J Arg J Arg J Arg J Arg	Ala Ala Gly Arg Ser Arg Arg	A Ala Arg Ala Arg Pro His Val	Ser Ser Gly Val	120 Ser 130 Arg 140 His 150 Asp 160 Gly 170 180 Trp 190 Gly 200
104 105 107 108 110 111 113 114 116 117 119 120 122 123 125 126 128		Pro Ala Gly Pro Gln Gly Leu	Gly Val  Leu Ser Gly Gly Glu Glu	Ser Ser Gly Pro Asr Gly	Ser Gly Argo Pro Pro Glr	115 125 Val 135 145 155 165 175 175 175 175 185 185 195 195 195 195 195 195 195 19	J Ser J Ser J Gly J Ser J His J Arg J His J Arg J Arg J Arg J Leu	Ala Ala Gly Arg Ser Arg Arg	A Ala Arg Ala Arg Pro His Val	Ser Ser Gly Val	120 Ser 130 Arg 140 His 150 Asp 160 Gly 170 180 Trp 190 Gly 200 Ser
104 105 107 108 110 111 113 114 116 117 119 120 122 123 125 126 128 129		Pro Ala Gly Pro Gln Gly Leu Ala	Gly Val  Lev Ser Gly Glv Glv Trp	Ser Ser Gly Pro Asr Gly Are	Ser Argo Pro Pro Pro Pro Thr	115 Arg 125 Val 135 Tyr 145 Arg 155 O Cys 165 O Let 175 185 Val 195 Arg 185 Val 195 O Cys 185 O	J Ser J Ser J Gly J Arg J Arg J His J Arg J Arg	Ala Ala Gly Arg Ser Arg Arg	A Ala Arg Ala Arg Pro His Val Leu	Ser Ser Gly Val	120 Ser 130 Arg 140 His 150 Asp 160 Gly 170 180 Trp 190 Gly 200 Ser 210
104 105 107 108 110 111 113 114 116 117 119 120 122 123 125 126 128 129 131		Pro Ala Gly Pro Gln Gly Leu Ala	Gly Val  Lev Ser Gly Glv Glv Trp	Ser Ser Gly Pro Asr Gly Are	Ser Argo Pro Pro Pro Pro Thr	115 Arg 125 Val 135 Tyr 145 Arg 155 D Cys 165 D Leu 175 185 D Val 195 Arg 185 205 Arg 185 O Cys 185 O Cys 185 O Cys 185 O Cys 185 O Cys O Cy	J Ser J Ser J Gly J His J Arg J Arg J Leu J Lys	Ala Ala Gly Arg Ser Arg Arg	A Ala Arg Ala Arg Pro His Val Leu	Ser Ser Gly Val	120 Ser 130 140 His 150 Asp 160 170 170 180 Trp 190 200 Ser 210 Ser
104 105 107 108 110 111 113 114 116 117 119 120 122 123 125 126 128 129 131		Pro Ala Gly Pro Gln Gly Leu Ala Leu Ser	Gly Val  Leu Ser Gly Glu Glu Trr	Ser Ser Gly Pro Asr Gly Arc	Argo Pro	115 125 125 Val 135 145 155 165 165 175 185 185 185 195 185 195 195 195 195 195 195 195 19	J Ser Ser Ser Ser His Ser	Ala Ala Ala Arg Arg Arg Arg Met	A Ala Arg Ala Arg Pro His Val Val Clu	Ser Ser Gly Val	120 Ser 130 140 His 150 Asp 160 170 170 180 Trp 190 200 Ser 210 Ser 220
104 105 107 108 110 111 113 114 116 117 119 120 122 123 125 126 128 129 131		Pro Ala Gly Pro Gln Gly Leu Ala Leu Ser	Gly Val  Leu Ser Gly Glu Glu Trr	Ser Ser Gly Pro Asr Gly Arc	Argo Pro	115 125 125 Val 135 145 155 165 165 175 185 185 185 195 185 195 195 195 195 195 195 195 19	J Ser	Ala Ala Ala Arg Arg Arg Arg Met	A Ala Arg Ala Arg Pro His Val Val Clu	Ser Ser Gly Val	120 Ser 130 140 His 150 Asp 160 170 170 180 Trp 190 200 Ser 210 Ser

DATE: 02/11/2002

TIME: 09:36:38

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/753,008

	137	Phe	Leu	Ile	Val		Cys	Ile	Leu	Thr	_
	138	C1	mb∽	C1	<b>71</b> ~	235	3 a n	7 ~~	Cor	Dho	240
	140	GIY	THI	GIU	Ald	245	Asn	AIG	Ser	Pne	250
	141 143	Dho	mar.~	Clu	λcn		Leu	Tou	Clv	Va l	
	144	riie	TYT	Giu	ASII	255	пец	пец	Gry	Vai	260
	146	Δrσ	Tle	Δra	Gln		Arg	Val	Δτσ	Δen	
	147	**** 9	110	**** 9	01	265	*** 9	· u _	*** 9		270
	149	Ser	Cvs	Ser	Ile		Gln	Asp	Leu	Arq	
	150		- 4 -			275					280
	152	Glu	Ile	Lys	Glu	Cys	Tyr	Asp	Val	Tyr	Glu
	153					285					290
	155	Thr	Ala	Ala	Gln	Val	Ala	Ser	Leu	Lys	Lys
	156					295					300
	158	Asn	Val	Trp	Leu	_	Arg	Gly	Thr	Arg	Ala
	159					305		_			310
	161	Thr	Phe	Ile	Asp		Ser	Val	Tyr	Asn	
	162		-1		<b>.</b>	315	<b>~</b>		**- 1	3	320
	164	Asn	шe	Asn	ьеu	325	Cys	vaı	vaı	Arg	ьеи 330
	165 167	Tou	Val	Clu	Dho		Ala	Пhr	Clv	Glv	
	168	ьеu	Val	Giu	FIIC	335	ALG	1111	GLY	GIY	340
	170	Tle	Pro	Ser	Trp		Phe	Gln	Pro	Leu	
	171					345					350
	173	Leu	Ile	Arg	Tyr		Thr	Thr	Phe	Asp	
	174			_	_	355					360
	176	Phe	Leu	Ala	Ala	Cys	Glu	Ile	Ile	Phe	
	177					365					370
	179	Phe	Phe	Ile	Phe	_	Tyr	Val	Val	Glu	
	180					375					380
>	182	IIe	Leu	Glu	Xaa		Arg	IIe	His	Lys	
>	183 185	ni e	M	Dho	7 ~~	385	Co.*	Dho	m mm	7 an	390 Cvc
/	186	птѕ	TYL	РПС	ALY	395	Ser	rne	пр	ASII	400
	188	Leu	Asp	Val	Val		Val	Val	Leu	Ser	
	189		1			405					410
	191	Val	Ala	Ile	Gly	Ile	Asn	Ile	Tyr	Arg	Thr
	192					415					420
>	194	Ser	Asn	Val	Glu	Val	Xaa	Leu	Leu	Gln	Phe
	195					425					430
>	197	Leu	Xaa	Glu	Asp		Asn	Thr	Phe	Pro	
	198	-1		•••	<b>.</b>	435	_	m-	<b>a</b> 1	-1	440
	200	Phe	GLu	Hls	ьeu		Tyr	Trp	GIN	тте	
	201	Dha	A ==	<b>A</b> c =	т1.	445	<b>71</b> -	37 - 1	mh∽	V-1	450 Bho
	203 204	rne	ASD	ASII	тте	455	Ala	VdI	TIIT	val	460
	204	Dhe	V=1	ጥተኮ	Tle		Leu	Dhe	T.ve	Phe	
	207	FIIC	va <sub>1</sub>	115	TTE	465	ш¢и	1116	בום	1 110	470
	209	Asn	Phe	Asn	Arq		Met	Ser	Gln	Leu	
					_						

RAW SEQUENCE LISTING PATENT APPLICATION: US/09/753,008

DATE: 02/11/2002 TIME: 09:36:38

	210					475					480
	212	Thr	Thr	Met	Ser	Arg	Cys	Ala	Lys	Asp	Leu
	213					485					490
	215	Phe	Gly	Phe	Ala	Ile	Met	Phe	Phe	Ile	Ile
	216					495					500
	218	Phe	Leu	Ala	$\mathtt{Tyr}$	Ala	Gln	Leu	Ala	Tyr	Leu
	219					505					510
	221	Val	Phe	Gly	Thr		Val	Asp	Asp	Phe	
	222					515					520
	224	Thr	Phe	Gln	Glu	_	Ile	Phe	Thr	Gln	
	225	_			_	525	_		_	_,	530
	227	Arg	He	He	Leu	_	Asp	He	Asn	Phe	_
	228	~ 3				535	_		_		540
W>		GIU	He	GIu	GIU		Asn	хаа	Arg	vaı	
	231	c1	Dma	т1 -	Ш	545	mh m	mb	Dha	1701	550 Dha
	233	GIY	Pro	ire	туг	555	Thr	THE	Pne	vaı	560
	234 236	Dho	Mo+	Dho	Dho		Leu	Ton	N c n	Mo+	
	237	FIIC	Met	FIIC	FIIC	565	шец	пец	ASII	riec	570
	239	Leu	Δla	Tle	Tle		Asp	Фhr	Ͳvr	Ser	
	240	пси	1124	110	110	575	шър		-1-	001	580
W>		Val	Lvs	Ser	Asp		Xaa	Xaa	Xaa	Ala	
	243	, , ,	_15	201	P	585					590
	245	Gln	Lys	Ala	Glu		Glu	Leu	Ser	Asp	
	246		-			595				-	600
	248	Ile	Arg	Lys	Gly	Tyr	His	Lys	Ala	Leu	Val
	249		-			605					610
	251	Lys	Leu	Lys	Leu	Lys	Lys	Asn	Thr	Val	Asp
	252					615					620
	254	Asp	Ile	Ser	Glu		Leu	Arg	Gln	Gly	
	255					625					630
	257	Gly	Lys	Leu	Asn		Asp	Glu	Leu	Arg	
	258		_			635					640
	260	Asp	Leu	Lys	Gly	_	Gly	His	Thr	Asp	
	261			-1		645	_,	m1	_	_	650
	263	GLU	IIe	GIU	Ala		Phe	Inr	гÀг	Tyr	
	264	C1 =	N a m	C1	N a m	655	C1	T 011	шьь	C1.,	660
	266 267	GIII	ASP	GIY	ASP	665	Glu	ьeu	THE	GIU	670
	269	Clu	Wic	Cln	Cln		Arg	λαη	λαη	Leu	
	270	GIU	птэ	GIII	GIII	675	ALY	мър	АЗР	пеп	680
	272	Lve	Glu	Δrσ	Glu		Leu	Δsn	T.e.11	Asn	
	272	פעם	JIU	A = 9	Jiu	685	Lcu	p	LCu	p	690
	275	Ser	Ser	Leu	Pro		Pro	Met	Ser	Ser	
	276					695					700
	278	Ser	Phe	Pro	Arq		Leu	Asp	Asp	Ser	
	279					705		E			710
	281	Glu	Asp	Asp	Asp	Glu	Asp	Ser	Gly	His	Ser
	282		_	_	-	715	_		-		720

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	284			Ser	Arg	Arg	Arg	_	Ser	Ile	Ser	Ser	
	285			<b>-</b>	_	_		725				_	730
	287			Val	Ser	Tyr	Glu		Phe	GIn	Val	Leu	
	288			_	_	•	_	735			•	_	740
	290			Arg	Arg	Val	Asp		Met	Glu	His	Ser	
	291				_			745	_				750
	293			GLY	Ser	IIe	Val		Lys	тте	Asp	Ala	
	294			~ 1				755	-1		<b>a</b> 1		760
	296			He	Val	ьуs	Leu		Ile	Met	Glu	Arg	
	297			_	_	_	_	765		1	_	~ 1	770
	299			ьys	ьeu	ьys	Arg	_	Glu	vaı	ьeu	GIA	_
	300			_	_	_	-1	775		-1	_	-1	780
	302			Leu	Leu	Asp	GLÄ		Ala	GIU	Asp	GIU	
	303			_		_	_	785				_	790
	305			ьeu	GIA	Arg	Asp		Glu	IIe	HIS	Arg	
	306			<b>a</b> 1	37.1	-1	•	795	**- 1		<b>01</b>	<b>a</b> 1	800
	308			GIN	met	GIU	Arg		Val	Arg	GIU	GIU	
	309			<b>61</b>		m	<b>a</b> 1	805	<b>3</b>	<b>3</b>	31-		810
	311			GIU	Arg	тгр	GIU		Asp	Asp	Ата	Ата	
	312			C1 =	T1_	C	774 -	815	T	C1	mh w	Dwo	820
	314			GIII	ire	ser	HIS	825	Leu	GIA	THI	PIO	
	315			C1	T	<b>3</b>	C1		Dwa	<b>3</b> ~ ~	Dwa	<b>3</b> ~ ~	830
	317			Gly	ьeu	ASII	GIY		PIO	Arg	PIO	Arg	
r.a \$	318			0	3	D	<b>a</b>	835	O	C1		Vaa	840
M>	320 321			ser	Arg	Pro	ser	845	Ser	GII	ser	хаа	850
	323			C1.,	C111	Mo+	C1.,		Ala	Clar	C1 v	Nan	
	324			GIU	GIY	Met	Gru	855	ALG	Gry	Gry	ASII	860
	326			Ser	Car	λen	Val		Val				000
	327			361	361	H911	Val	865	Val				
c>	330	(2) II	IFOD	матта	N F.	וס פו	יה דו						
C>	332			SEQUE						,			
	333	. '	)						o ac				
	334						nino						
	335								ngle	2			
	336			(D)			: li		-				
W>	338	( 1	ii)	MOLE									
	339	( -	,					per	otide	2			
	341	(i:	۱i۱	HYPO									
	343	•	•	FRAGI				nterr	nal f	ragn	nent		
	345			SEQUE						_		2	
	348	•	•						Glu				Val
	349			1		/	•	5			- 2	•	10
	351				Arq	Leu	His	Gly	Met	Leu	Arq	Ser	
	352			4	,	•		15					20
	354			Leu	Val	Tyr	Met		Phe	Leu	Leu	Val	
	355					-		25					30
	357			Leu	Leu	Ala	Ser		Gly	Asp	Ala	Ser	
	358							35	•	-			40



VERIFICATION SUMMARY DATE: 02/11/2002 PATENT APPLICATION: US/09/753,008 TIME: 09:36:39

```
L:3 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]
L:5 M:220 C: Keyword misspelled or invalid format, [(i) APPLICANT:]
L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:58 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=1
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L\!:\!242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:330 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]
L:338 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=2
L:360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:436 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:508 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]
L:516 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=3
L:544 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:647 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]
L:655 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=4
L\!:\!671~M\!:\!341~W\!: (46) "n." or "Xaa" used, for SEQ ID#:4
L:680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:683 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:713 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:728 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:734 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:737 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:740 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:743 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:776 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]
L:784 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=5
L:801 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]
```



VERIFICATION SUMMARY PATENT APPLICATION: US/09/753,008

DATE: 02/11/2002 TIME: 09:36:39

Input Set : N:\Crf3\RULE60\09753008.txt
Output Set: N:\CRF3\02112002\I753008.raw

L:809 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=6
L:921 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]
L:929 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=7
L:1121 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]
L:1129 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=8
L:1141 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]
L:1149 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=9
L:1161 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]
L:1169 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=10
L:1182 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]
L:1190 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=11
L:1201 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]
L:1209 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=12